

COMPRESSOR SOLUTIONS

HD362C-LW

Compressor for Anhydrous Ammonia (NH₃) driven @ 655 RPM



Gas:

Anhydrous Ammonia
n = 1.31
MW = 17.03

Inlet:

39 - 247 psia
(2.74 - 17.4 kg/cm² a)
10 - 110°F (-12 - 43°C)

Outlet:

49 - 265 psia
(3.44 - 18.6 kg/cm² a)

COMPRESSOR CONSTRUCTION

Ductile Iron Valves with PEEK valve plates

Buna-N O-rings

Ductile Iron Head and Cylinder

ACCESSORIES

ASME Code Liquid Trap
Two Liquid Level Switches
Temperature Switch, N4

15 HP TEFC Motor
Suction Strainer
Low Oil Pressure Switch, N4

Non Lube 4-Way Valve
Welded Steel Piping

A Blackmer OEM provided two of these HD362 packages as part of a complete anhydrous ammonia unloading station for a Power Company in the Carolinas. The system is used to unload Anhydrous Ammonia rail cars or tanker trucks into storage. The NH₃ is used in a Selective Catalytic Reduction (SCR) system to reduce NOx emissions. The compressors unload liquid NH₃ at 130-175 GPM (29.4 - 40 m³/hr) depending on ambient temperature. The second compressor is a standby compressor.